

Amendments to the Claims:

1 1. **(Original)** A method of forming a wear-resistant reinforcing coating on a substrate,
2 the method comprising:

3 (a) applying a liquid matrix material to the substrate;

4 (b) disposing reinforcing fibers in the liquid matrix material;

5 (c) placing particulate in contact with the liquid matrix material on an opposite
6 side of the fibers from the substrate; and

7 (d) hardening the liquid matrix material, thereby forming a composite of
8 reinforcing fibers in a matrix of the hardened liquid matrix material with the
9 wearing surface of particulate.

1 2. **(Original)** The method in accordance with claim 1, wherein the substrate is a solid
2 substrate.

1 3. **(Original)** The method in accordance with claim 2, wherein the solid substrate is
2 concrete.

1 4. **(Original)** The method in accordance with claim 2, wherein the solid substrate is
2 asphalt pavement.

1 5. **(Original)** The method in accordance with claim 2, wherein the solid substrate is
2 wood.

1 6. **(Original)** The method in accordance with claim 2, wherein the solid substrate is
2 fiberglass composite.

1 7. **(Original)** The method in accordance with claim 2, wherein the solid substrate is
2 metal.

1 8. **(Original)** The method in accordance with claim 2, wherein the solid substrate is
2 modular bricks.

Claims 9-18 (**Cancelled**).

1 19. **(Original)** The method in accordance with claim 17, wherein the solid substrate is
2 asphalt pavement.

1 20. **(Original)** The method in accordance with claim 17, wherein the solid substrate is
2 wood.

1 21. **(Original)** The method in accordance with claim 17, wherein the solid substrate is
2 fiberglass composite.

1 22. **(Original)** The method in accordance with claim 17, wherein the solid substrate is
2 metal.

1 23. **(Original)** The method in accordance with claim 17, wherein the solid substrate is
2 modular bricks.

1 24. **(Original)** The method in accordance with claim 14, wherein the substrate is
2 particulate.

1 25. **(Original)** The method in accordance with claim 24, wherein the particulate is soil.

1 26. **(Original)** The method in accordance with claim 24, wherein the particulate is sand.

1 27. **(Original)** The method in accordance with claim 24, wherein the particulate is
2 gravel.

1 28. **(Original)** The method in accordance with claim 24, wherein the particulate is a
2 combination selected from the group of soil, sand and gravel.

1 29. **(Original)** A wear-resistant reinforcing coating formed on a substrate, the coating
2 comprising:

- 3 (a) a matrix adjacent the substrate;
- 4 (b) reinforcing fibers disposed in the matrix for reinforcing the matrix; and
- 5 (c) particulate adhered to the matrix on an opposite side of the fibers from the
- 6 substrate.

1 30. **(Original)** The wear-resistant reinforcing coating in accordance with claim 29,
2 wherein the substrate is a solid substrate.

1 31. **(Original)** The wear-resistant reinforcing coating in accordance with claim 29,
2 wherein the substrate is particulate.

1 32. **(Original)** The wear-resistant reinforcing coating in accordance with claim 29,
2 further comprising a membrane interposed between the substrate and the matrix, thereby
3 preventing adhesion of the matrix to the substrate.

1 33. **(Original)** The wear-resistant reinforcing coating in accordance with claim 32,
2 wherein the substrate is a solid substrate.

1 34. **(Original)** The wear-resistant reinforcing coating in accordance with claim 32,
2 wherein the substrate is particulate.

1 35. **(Cancelled)**.

1 36. **(Original)** A wear-resistant reinforcing coating formed on a solid substrate, the
2 coating comprising:

- 3 (a) a matrix adjacent the substrate;
- 4 (b) a membrane interposed between the substrate and the matrix, thereby
5 preventing adhesion of the matrix to the substrate;
- 6 (c) reinforcing fibers disposed in the matrix for reinforcing the matrix; and
- 7 (d) particulate adhered to the matrix on an opposite side of the fibers from the
8 substrate.

1 37. **(Original)** A method of forming a reinforced floor having a substrate, the method
2 comprising:

- 3 (a) applying a liquid matrix material to the substrate;
- 4 (b) disposing reinforcing fibers in the liquid matrix material;
- 5 (c) hardening the liquid matrix material, thereby forming a composite of
6 reinforcing fibers in a matrix of hardened liquid matrix material, wherein an
7 exposed surface of the reinforcement is unsuitable for foot traffic; and
- 8 (d) mounting a layer of rigid flooring material to said substrate above said
9 composite of reinforcing fibers, said layer of flooring material having a wearing
10 surface that is suitable for traffic.

1 38. **(Original)** A reinforced floor having a planar substrate, the reinforced floor
2 comprising:

3 (a) a hardened, planar matrix mounted to the substrate;

4 (b) reinforcing fibers disposed in the matrix;

5 (c) a planar layer of rigid flooring material mounted to the substrate above the
6 reinforcing fibers, said layer of flooring material having a planar wearing surface
7 that is suitable for traffic.

1 39. **(Original)** A modular flooring unit of a discrete size and weight that can be lifted by
2 a human, the flooring unit comprising:

3 (a) a planar matrix;

4 (b) reinforcing fibers embedded in the matrix for reinforcing the matrix;

5 (c) particulate mounted to a major surface of the matrix.

1 40. **(Original)** The flooring unit in accordance with claim 39, wherein the particulate
2 mounted to the matrix forms the traffic-bearing surface of the flooring unit.

1 41. **(Original)** A method of forming a modular flooring unit of a size and weight that can
2 be lifted by a human, the method comprising:

3 (a) placing a liquid matrix material in a receptacle;

4 (b) disposing reinforcing fibers in the liquid matrix material;

5 (c) placing particulate in contact with the liquid matrix material on an opposite
6 side of the fibers from the substrate; and
7 (d) hardening the liquid matrix material, thereby forming a composite of
8 reinforcing fibers in a matrix of the hardened liquid matrix material with a traffic-
9 bearing surface of particulate.

1 42. **(Original)** A method of forming a wear-resistant reinforcing coating on a substrate,
2 the method comprising:

3 (a) aligning a composite with the substrate, the composite comprising a hardened
4 matrix embedded with reinforcing fibers;

5 (b) applying an adhesive between the composite and the substrate;

6 (c) forcing the composite against the substrate with the adhesive in a layer
7 interposed between the composite and the substrate;

8 (d) applying adhesive to the composite on a side of the composite opposite the
9 substrate;

10 (e) placing particulate in contact with the adhesive; and

11 (f) hardening the adhesive, thereby forming a wearing surface of particulate.